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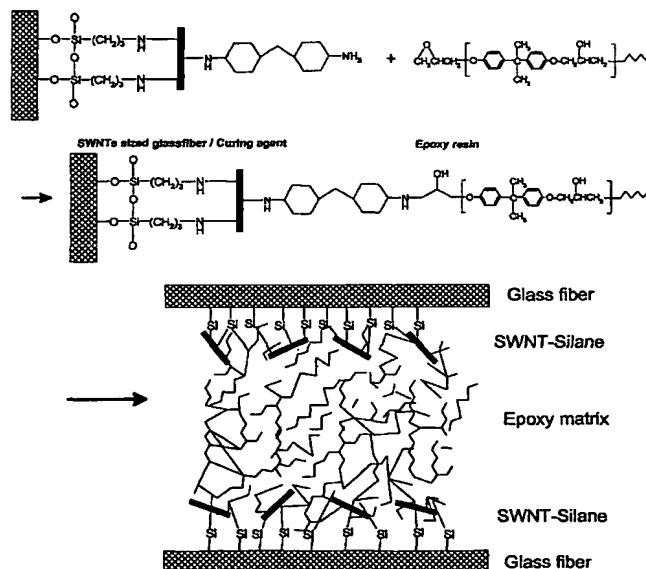
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(54) Title: SIDEWALL FUNCTIONALIZATION OF CARBON NANOTUBES WITH ORGANOSILANES FOR POLYMER COMPOSITES



(57) Abstract: The present invention is directed to methods of functionalizing carbon nanotubes (CNTs), particularly single-wall carbon nanotubes (SWNTs), with organosilane species, wherein such functionalization enables fabrication of advanced polymer composites. The present invention is also directed toward the functionalized CNTs, advanced CNT-polymer composites made with such functionalized CNTs, and methods of making such advanced CNT-polymer composites.



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